

Table S3. Summary

279 cyanobacterial genomes of the IMG Database were searched for the presence of aaRSs with CAAD as of 07/29/2015	
2 genomes contain ArgRS with CAAD	102 genomes encode one or two aaRSs ^c
1 genome contains CysRS with CAAD	
5 genomes contain GluRS with CAAD	
11 genomes contain IleRS with CAAD	
2 genomes contain LeuRS with CAAD	
1 genome contains MetRS with CAAD	
79 genomes contain ValRS with CAAD	
36% of cyanobacterial species contain aaRSs with CAAD	